FDG-231

SETTOP

USER'S MANUAL

5 POINTS AND 2 CROSS LINES AUTOLEVELING LASER LEVEL

SETTOP

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EQUIPMENT INCLUDED WITH THE MODEL FDG-231

FDG-231 Instrument

Carrying case

Target

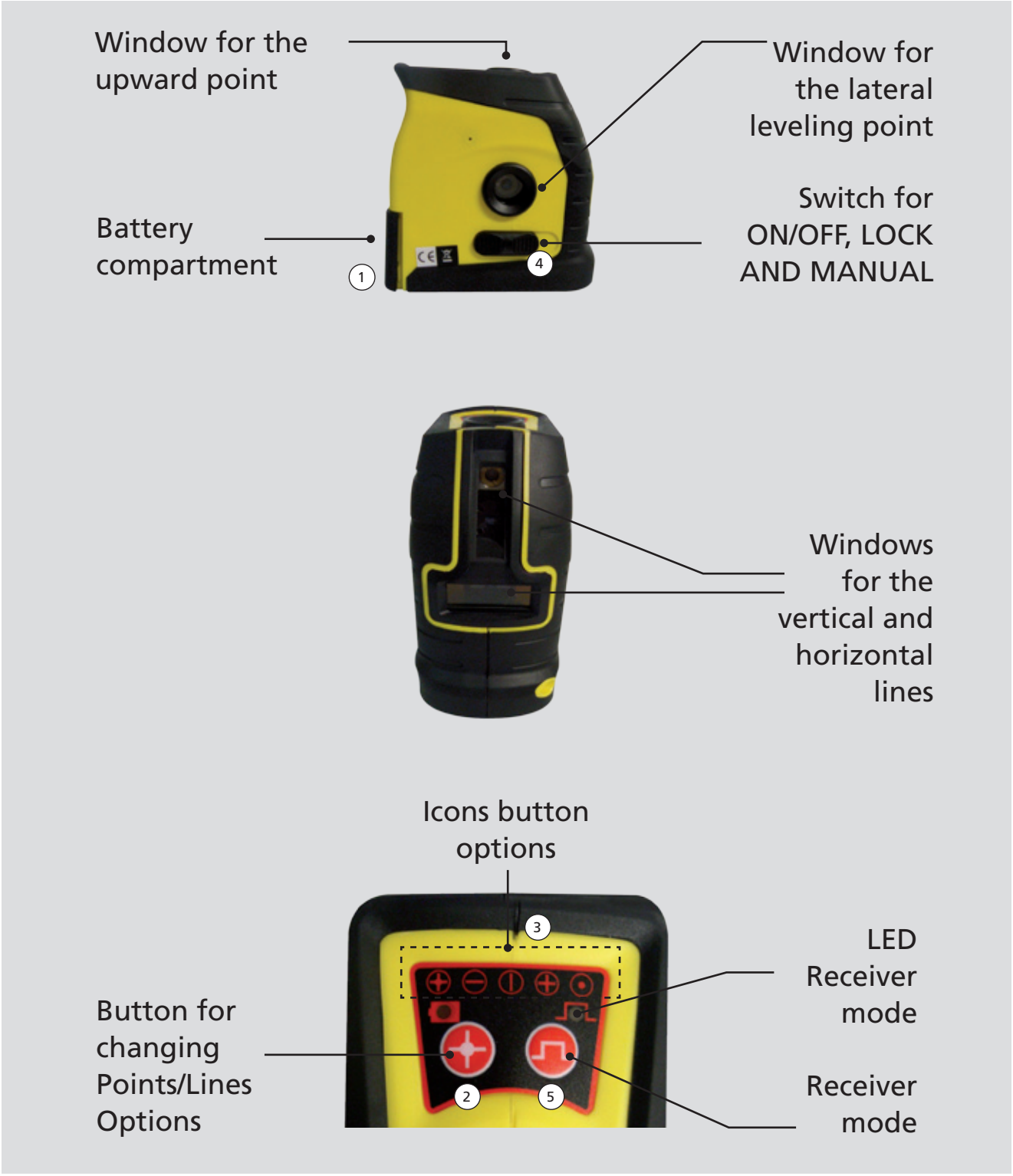
5/8” and 1/4”
Magnetic Mount

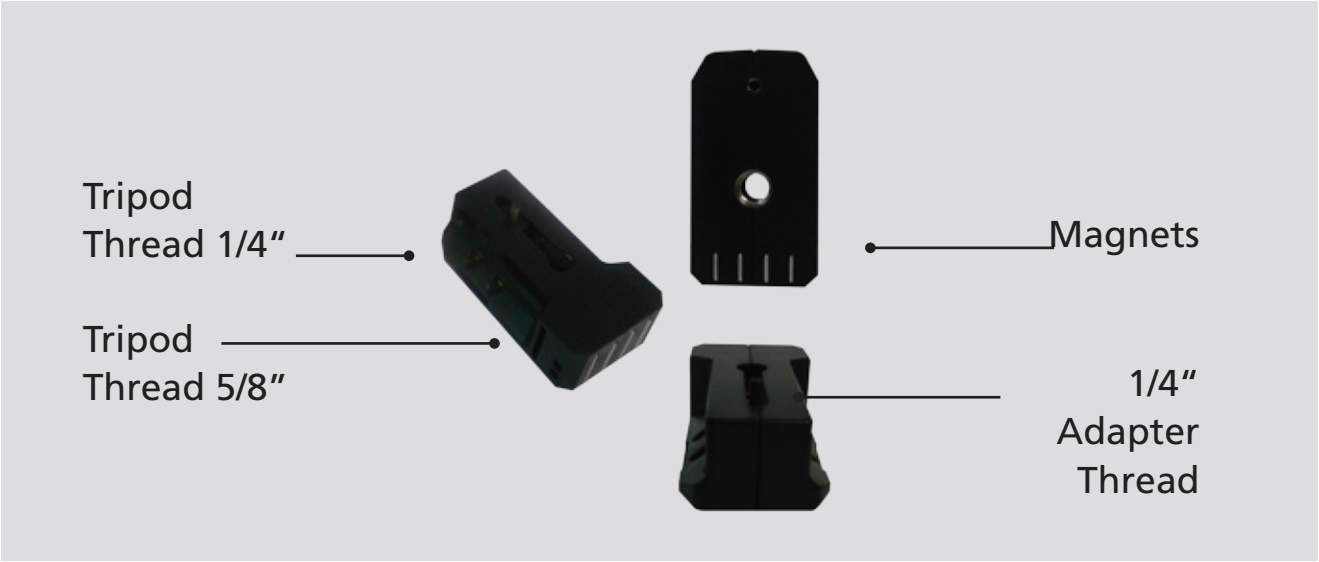
OPTIONAL ACCESSORIES

FD9R Red Line Detector

FD9R Detector Mount

FEATURES OF THE SETTOP FDG-231





BATTERIES

Press down the lid of the level(1). Insert the batteries, assuring that you place them in the compartment just as indicated + and -. Close the lid.

INSTRUCTIONS

1. Put the switch in the ON position. The level will automatically level itself if it is within the range of +- 4° and emit 5 points y 2 lines.
2. Every time you press the button (2) the instrument will emit lines and points according to the corresponding button (3) horizontal line-vertical line into cross points.
3. When the level is outside of the necesarry leveling range it will emit a sound noise and flashing lines.
4. You can change the automatic leveling mode to the manual mode in order to work on sloped surfaces ,by placing the swich in the center (locked) position.The laser will emit every 5 seconds.
5. In order to work with the detector you must press the button with the icon(5).
6. In order to finish, place the swich in the OFF position.

INSTRUCTIONS FOR OPERATING

Figure 1

Figure 2

Figure 3

This laser level is a precision Instrument and because of this it should be treated with care. When it is not in use, the switch must always be in the OFF position (Figure 1).

The lock-line position allows resístance to vibrations and the occasional “knocks” that occurs during transportation or if the unit is dropped. In the locked position the pendulum is secured and will not auto level.In this position the 2 lines will be flashing slowly indicating that the pendulum is locked and not able to autolevel.

AUTOMATIC LEVELING

When the compensator is unlocked, it is free to level itself automatically. The compensator needs to be within the range of +- 5° in order to level itself. When the compensator is unlocked and within the range of 5° of level, the unit will level itself automatically. If the level is outside the range of 5°, the laser will emit a sound noise and the lines will flash.

LOW BATTERY ALARM

The green LED will flash slowly when the battery´s working voltage is less than 3V. In this case the batteries must be replaced.

TECHNICAL FEATURES

Accuracy of the vertical/horizontal lines	+- 1.5 mm a 5 m.
Accuracy of the laser points	+- 1.5 mm a 5 m
Leveling range	+- 4°
Working range	30 m
Working range with detector	100 m
Type of laser	635 nm,class II
Operating temperature	-10° a 45 °C
Power supply	3 Batteries AA
Battery life(depending on usage)	8-10 hours
Dimensions	110 x 60 x 105 mm

5 POINTS AND
2 CROSS LINES
AUTOLEVELING
LASER LEVEL

FDG-231

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Bofarull, 14, bajos 08027 Barcelona
Tel. 93 340 05 73 Fax 93 351 95 18
www.settop.es settop@settop.es

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